United Nations A/AC.105/INF/426

General Assembly

Distr.: General
24 June 2014
English
Original: Spanish

Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with General Assembly resolution 1721 B (XVI) by States launching objects into orbit or beyond

Note verbale dated 5 February 2014 from the Permanent Mission of the Plurinational State of Bolivia to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the Plurinational State of Bolivia to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and has the honour to transmit, in accordance with paragraph 1 of General Assembly resolution 1721 B (XVI) of 20 December 1961, information concerning the launch of satellite Túpac Katari (see annex).

V.14-04230 (E) 030714 040714

Please recycle

Annex

Registration data on an object launched into outer space by the Plurinational State of Bolivia

Túpac Katari

Information provided in conformity with General Assembly resolution 1721B (XVI)

Name of space object:	Túpac Katari
National designator/registration number:	TKSAT-1
State of registry:	Bolivia
Other launching States:	China
Date and territory or location of launch	
Date of launch:	20 December 2013, 1242 hours UTC/GMT-4
Territory or location of launch:	XSLC Satellite Launch Centre, Sichuan, Xichang, China
Basic orbital parameters	
Geostationary orbital position:	87.2 degrees West
Inclination:	0.05 degrees
Longitudinal tolerance:	± 0.05 degrees
General function of space object:	Communications satellite
Date of decay/re-entry/deorbit:	20 December 2028 (expected date)

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator:	Bolivian Space Agency
Launch vehicle:	Long March 3BE (LM 3BE)
Website:	www.abe.bo

Technical details for Túpac Katari

Orbital position:	87.2 degrees West
Number of transponders:	30
Date of launch:	20 December 2013, 1242 hours UTC/GMT-4
Entry into service:	March 2014
Estimated useful life:	15 years

Type:	Communications satellite
Satellite platform:	DFH-4
Satellite dimensions:	2,360 mm x 2,100 mm x 3,600 mm
Orbit type:	Geostationary (GEO)
GEO orbit altitude:	36,000 kilometres
Stabilization mode:	Triaxial
Precision maintenance:	± 0.05 degrees West/East ± 0.05 degrees North/South
Precision of antenna positioning:	< 0.1 degrees
Weight of satellite:	5,100 kilograms
Launch vehicle:	LM 3BE

Transponder bands:

Band	Number of transponders	Bandwidth per transponder (MHz)	Useful bandwidth (MHz)
C	2	28	56
Ku (broadcasting)	4	36	144
Ku (communications)	20	36	720
Ku (addressable)	2	36	72
Ka	2	120	240